

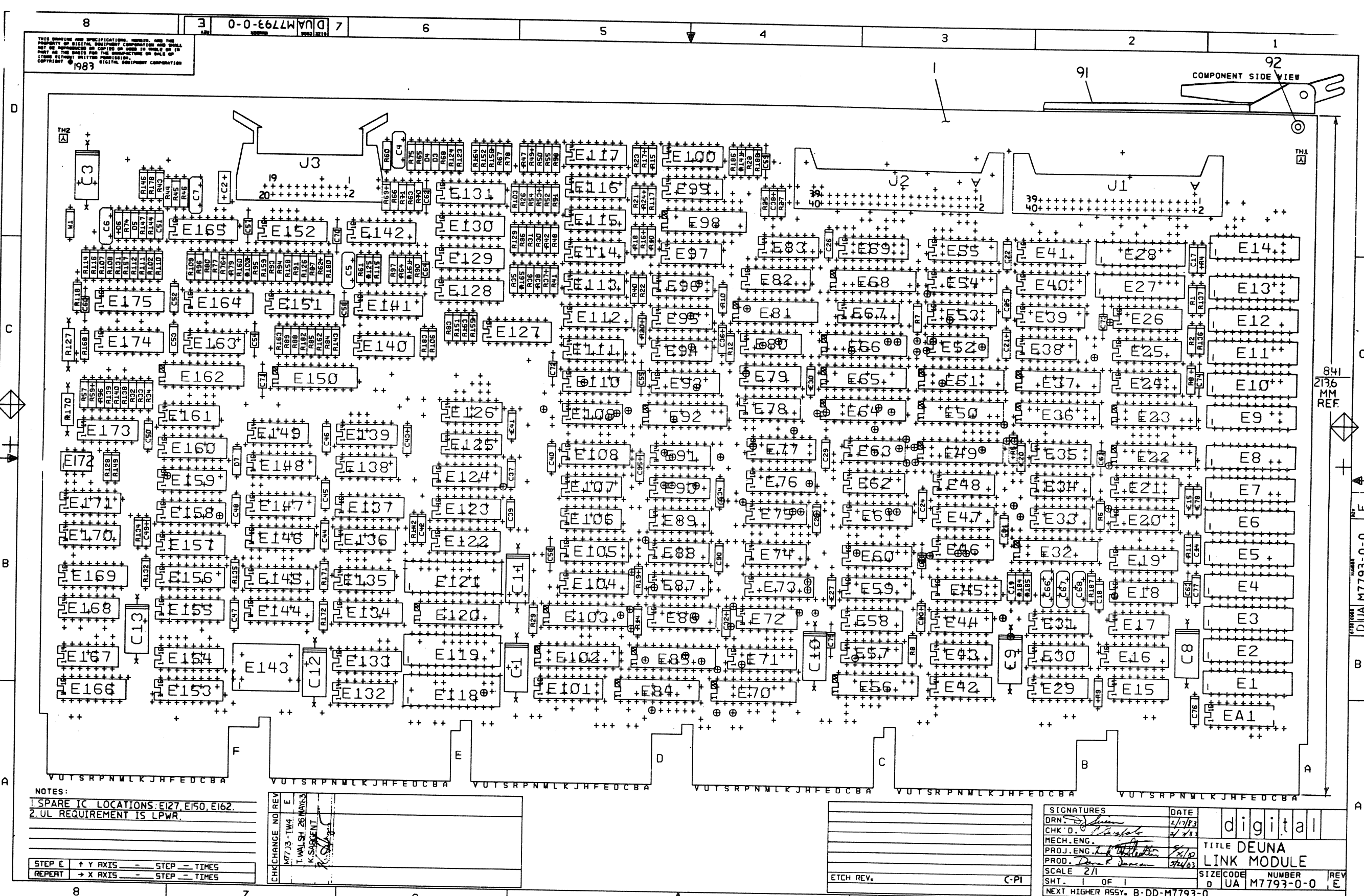
REV. 2

TITLE: DEUNA PORT MODEL
PAL LISTINGS
SIZE CODE NUMBER REV
K CS 117792-0-100 A

SIZE	CODE	NUMBER	REV.
K	CS	M7792-0-TT4	A

8	7	6	5	4	3	2	1	
						REV. A	NUMBER M7792-0-115	SIZE CODE K CS
1= US WT HB H 2= T11 WT L 3= DATA 08 H 4= DATA 06 H 5= NC3 H 6= BDAL 08 H 7= NC4 H 8= NC5 H 9= INIT L 10= GND 11= UB WT LB H 12= NC2 H 13= NC6 H 14= NC7 H 15= NC8 H 16= INTE L 17= FATIR L 18= FATIS L 19= NC9 H 20= VCC PART NUMBER: 23-090J5-00 LOCATION: E2, E39 DEVICE TYPE: PAL16L8 PIN NUMBER = SYMBOL TABLE: NOTES: PCSRC - (PRIM) FOR PAL PCSRC-A (PCSR0 SECTION C - REV A) PAL PINS: 00000000000000000000 112345678911345678 OUTPIN 19 OUTPIN 18 XXXXXXXXXXXXXXXXXXXX VCC XXXXXXXXXXLXXXXXXXXX INIT L HXXXXXXXXXXXXXXXXX UB WT HB H = DATA 08 H XXXXXXXXXXXXXXXXXXXXX H = FATIR L OUTPIN 17 XXXXXXXXXXXXXXXXXXXX VCC XLXXXXXXXXXXXXXXXXX T11 WT L = BDAL 08 H XXXXXXXXXXXXXXXXXXXXX H = FATIS L OUTPIN 16 XXXXXXXXXXXXXXXXXXXX VCC XXXXXXXXXXLXXXXXXXXX INIT L XXXLXXXXXXXXXXXXXXXXX US WT LB H = DATA 06 H XXXXXXXXXXLXXXXXXXXX US WT LB H = INTE L XXXLXXXXXXXXXXXXXXXXX INTE L = DATA 06 H OUTPIN 15 OUTPIN 14 OUTPIN 13 OUTPIN 12								
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8	7	6	5	4	3	2	1	

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NOTES:
1. SPARE IC LOCATIONS: E127, E150, E162.
2. UL REQUIREMENT IS LPWR.

STEP E → Y AXIS — STEP — TIMES
REPEAT → X AXIS — STEP — TIMES

CHANGE NO.	REV.
M773-TW4	E
T. WALSH	26 MAY 83
K. S. GENT	

ETCH REV.	C-PI
-----------	------

SIGNATURES	DATE
DRN. <i>[Signature]</i>	2/17/83
CHK'D. <i>[Signature]</i>	2/18/83
MECH. ENG.	
PROJ. ENG. <i>[Signature]</i>	2/18/83
PROD. <i>[Signature]</i>	2/24/83
SCALE 2/1	
SHT. 1 OF 1	
NEXT HIGHER ASSY. B-DD-M7793-0	

digital	TITLE DEUNA LINK MODULE
SIZE CODE 0	NUMBER UA M7793-0-0
REV E	

1 WO#173162

AUTOMATED BY PRTLST.4Q(50)

PARTS LIST

SHEET A1 OF A3

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
1	1	D-MD-5015005-0-0	5015005-00	DRILL AND ETCH CUT	1	
2	2		1010978-36	.1 MFD 50V 10% CER	1	C2
3	3		1002424-00	1200.0 MMF 100V 5%200PPM MICA	2	C4,C6
4	4		1000019-00	150.0 MMF 100V 5%200PPM MICA	2	C5,C7
5	5		1012784-00	.047 MFD 50V +80-20% CER	39	C14,C15,C17,C18,C19,C20,C21,C22, C23,C24,C25,C26,C27,C28,C29,C30, C31,C32,C33,C34,C35,C36,C37,C38, C39,C40,C41,C42,C43,C44,C45,C46, C47,C48,C49,C50,C51,C52,C53 CONT C54,C55,C56,C57,C58,C59,C60,C61., CONT C62,C63,C64,C65,C70-C78 CONT C66,C67 C68
6	6		1001610-00	.01 MFD 50V +80-20% Z5U CER	21	D3,D4,D5,D6,D7
7	7		1005820-00	22.0 MMF 100V 5%200PPM MICA	2	E1,E2,E3,E4,E5,E6,E7,E8,E9,E10.
8	8		1000010-00	39.0 MMF 100V 5%200PPM MICA	1	E11,E12,E13,E14,E27,E28
9	9		1100114-00	PIV= 25 IO=135 MA	5	E15
10	10		2118054-03	16K MOS RAM 55NS 2	16	E16,E18,E19,E20,E59,E60,E76, CONT E134,E169 E17
11	11		1913340-00	74S32 OR GATE-QUAD 2IN	1	E21,E24,E25,E26,E39,E40,E55, CONT E156,E158 E22,E23,E50,E102,E103
12	12		1912851-00	LS169 COUNTER,SYNCH. UP/DO	9	E29,E38,E95,E167 E30,E44
13	13		1912811-00	LS21 AND GATE-DUAL 4IN,PO	1	E31,E35,E78,E79,E149
14	14		1912849-00	LS161 COUNTER,SYNCHR,4BIT	9	E32,E36,E37,E49,E51,E56,E70,E84, CONT E85,E92 E33,E52,E80 E34,E42,E94,E161
15	15		23000K4-01	PAL,LOGIC	5	
16	16		1912805-00	LS08 AND GATE-QUAD 2IN,PO	4	
17	17		1912820-00	LS51 A-O-I GATE 2-WIDE 2I	2	
18	18		1912803-00	LS04 INVERTER GATE,HEX	5	
19	19		23000K5-01	PROGRAMMABLE LOGIC ARRAY	10	
20	20		1912799-00	LS00 NAND-GATE-QUAD 2IN,P	3	
21	21		1912824-00	LS74 FF-D DUAL,EDGE TRIGG	4	

REVISION HISTORY		BASIC PART NO: M7793		DRN: R LOVE	DATE: 09-14-82	D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D: C COSTA	DATE: 09-14-82	TITLE PARTS LIST			
---	INITIAL	A	SECTION VARIATION INDEX	DES.ENG: M STECKLAIR	DATE: 09-14-82	DE UNA LINK MODULE			
TE	M7793-TW003	B	[A] 00	RESP.ENG.: M STECKLAIR	DATE: 09-14-82	DOCUMENT NUMBER			
NB	M7793-TW004	C	[B]	MFG.ENG.: DANA DUNCAN	DATE: 09-14-82	SIZE	CODE	NUMBER	REV
			[C]	ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:	K	PL	M7793-0-DBP	C
			[D]	D-UA-M7793-0-0	B-DD-M7793-0-0			FILE NAME:	EDIT #
			[E]					Z3922C.PLS	16
			[F]	"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1983. DIGITAL EQUIPMENT CORPORATION"					
			[G]						
			[H]						
			[I]						
			[J]						
			[K]						
			[L]						
			[M]						
			[N]						

AUTOMATED BY PRTLST.4Q(50)

P A R T S L I S T

SHEET A2 OF A3

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
22	22		1910550-00	74S174 FF-D HEX	5	E41,E61,E101,E133,E159
23	23		1912810-00	LS20 NAND GATE-DUAL 4IN	1	E43
24	24		1911911-00	DEC 74S124 OSCILLATOR,DUAL VOLT	1	E45
25	25		1910534-00	74S04 INVERTER GATE-HEX 1I	5	E46,E75,E87,E99,E115
26	26		1910537-00	74S11 AND GATE-TRIPLE 3INP	2	E47,E106
27	27		1912807-00	LS10 NAND GATE-TRIPLE 3IN	1	E48
28	28		1912847-00	LS157 MUX 1 OF 2(QUAD)	2	E53,E82
29	29		1915758-00	LS166 SHIFT REG. 8BIT PARA	2	E54,E69
30	30		1914085-00	74S260 NOR GATE-DUAL,POS	2	E57,E72
31	31		1910539-00	74S20 NAND GATE-DUAL 4INPU	2	E58,E88
32	32		1910536-00	74S10 NAND GATE-TRIPLE 3IN	2	E62,E109
33	33		1912850-00	LS164 SHIFT REG. 8BIT SERI	2	E63,E67
34	34		1914214-00	LS374 FF-D OCTAL EDGE TRIG	5	E64,E65,E66,E68,E98
35	35		1911983-00	74S133 NAND GATE-POSITIVE 1	3	E71,E104,EA1
36	36		1910957-00	74S175 FF-D QUAD COMMON CLO	1	E73
37	37		1910532-00	74S00 NAND GATE-QUAD 2IN	3	E74,E111,E135
38	38		1912646-00	LS253 MUX 1 OF 4 (DUAL)	8	E77,E124,E144,E145,E147,E148, E154,E155
39	39		1913671-00	74S374 FF-D,OCTAL,TR1 STATE	2	CONT E81,E120
40	40		1912746-00	DEC 74S37 NAND GATE-QUAD 2IN	1	E83
41	41		1910548-00	74S157 MUX 1 OF 2 (QUAD)	2	E86,E112
42	42		1911712-00	74S51 AND-OR GATE-INVERT D	1	E89
43	43		1912801-00	LS02 NOR-GATE-QUAD 2IN	2	E90,E139
44	44		1912389-00	74S08 AND GATE-QUAD 2IN,PO	1	E91
45	45		1912697-00	LS174 FF-D HEX W/CLEAR	4	E93,E108,E110,E123
46	46		1912816-00	LS32 OR GATE-QUAD 2IN,POS	2	E96,E138
47	47		1300005-01	R NETWORK 13-1K 5.0 % 14PIN	1	E97
48	48		1915019-00	74S38 NAND BUFFER-QUAD 2IN	1	E100
49	49		1914082-00	74S163 COUNTER,SYNCH UP/DOW	7	CONT E105,E122,E137,E146,E153,E157, E166
50	50		1910544-00	74S74 FF-D DUAL,EDGE TRIGG	5	E107,E136,E168,E170,E171
51	51		1514962-00	TPQ2907 PNP 500MW SI 40 100	4	E113,E114,E116,E117
52	52		1915697-00	RAM 256X4 TRI-STATE	3	E118,E119,E121
53	53		1912813-00	LS27 NOR GATE-TRIPLE 3IN	1	E125
54	54		1912808-00	LS11 AND GATE-TRIPLE 3IN	1	E126
55	55		1918353-00	10231 FF-D MASTER-SLAVE	5	E128,E130,E151,E174,E175
56	56		1911402-00	10105 OR/NOR GATE,2-3-2	4	E129,E131,E141,E152
57	57		1912096-00	DEC 74S86 XOR GATE,QUAD 2IN	1	E132
58	58		1611601-00	DELAY= 50NS,TAPPED LINE	1	E140
59	59		1913220-00	10216 RECEIVER,TRIPLE LINE	2	E142,E165
60	60		1811660-00	OSCILLATOR, XTAL 20.000 MHZ	1	E143
61	61		1911579-00	8641 TRANSCEIVER,BUS,QUA	1	E160
62	62		1619248-00	DELAY= 25/74NS ECL MULTI-LOGIC	1	E163
63	63		1911404-00	10107 XOR/NOR GATE,3-2IN	1	E164
64	64		1913009-00	4N36 OPTO COUPLED ISLTR	1	E172
65	65		1912388-00	74S02 NOR GATE-QUAD 2IN,PO	1	E173
66	66		1209941-02	PCB,HEADER 40PIN(2X20).100CC 90D	2	J1,J2
67	67		1209941-13	PCB,HEADER 19PIN(2X10).100CC 90D	1	J3

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							DE UNA LINK MODULE		K	PL	M7793-0-DBP	C

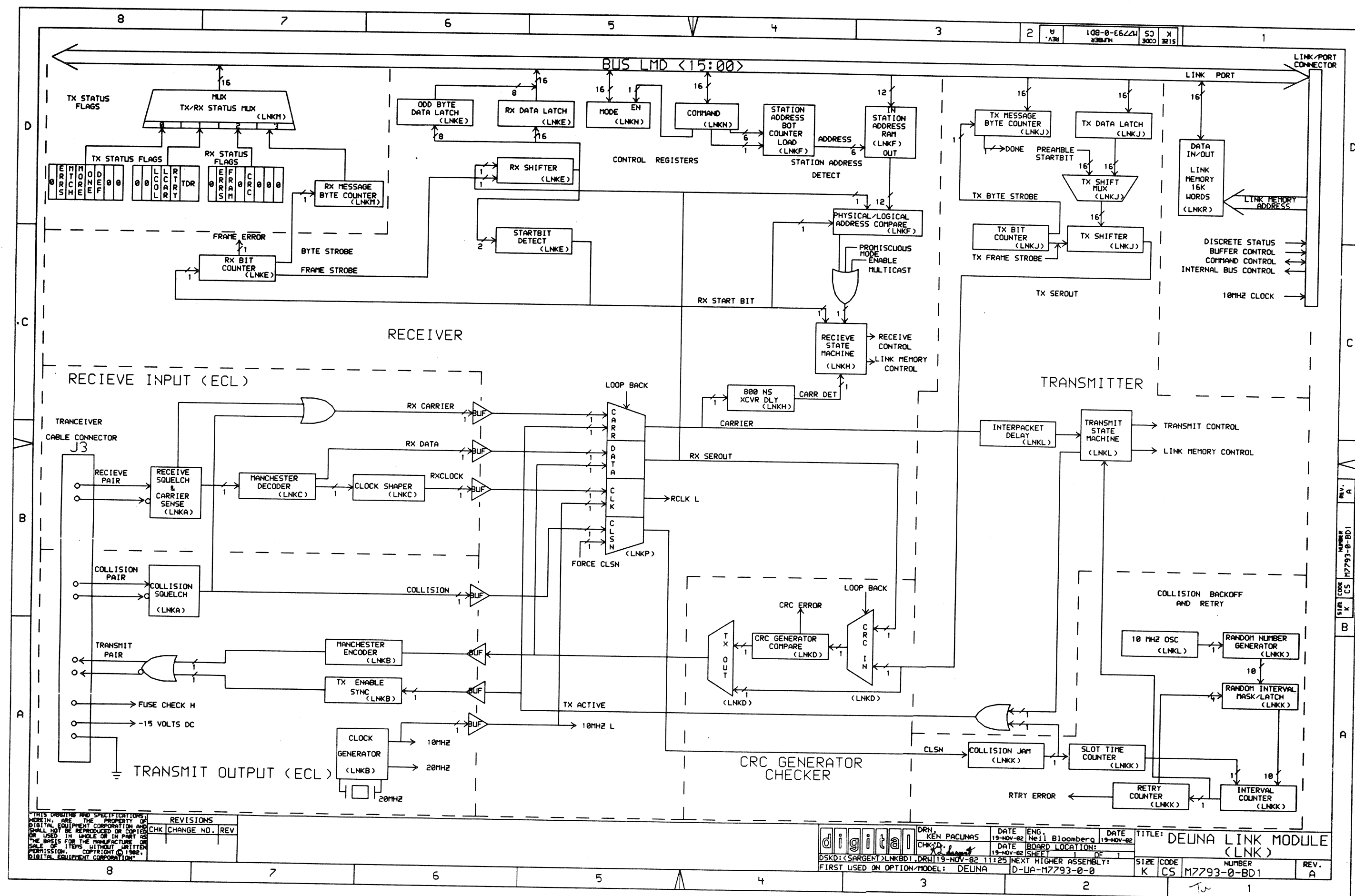
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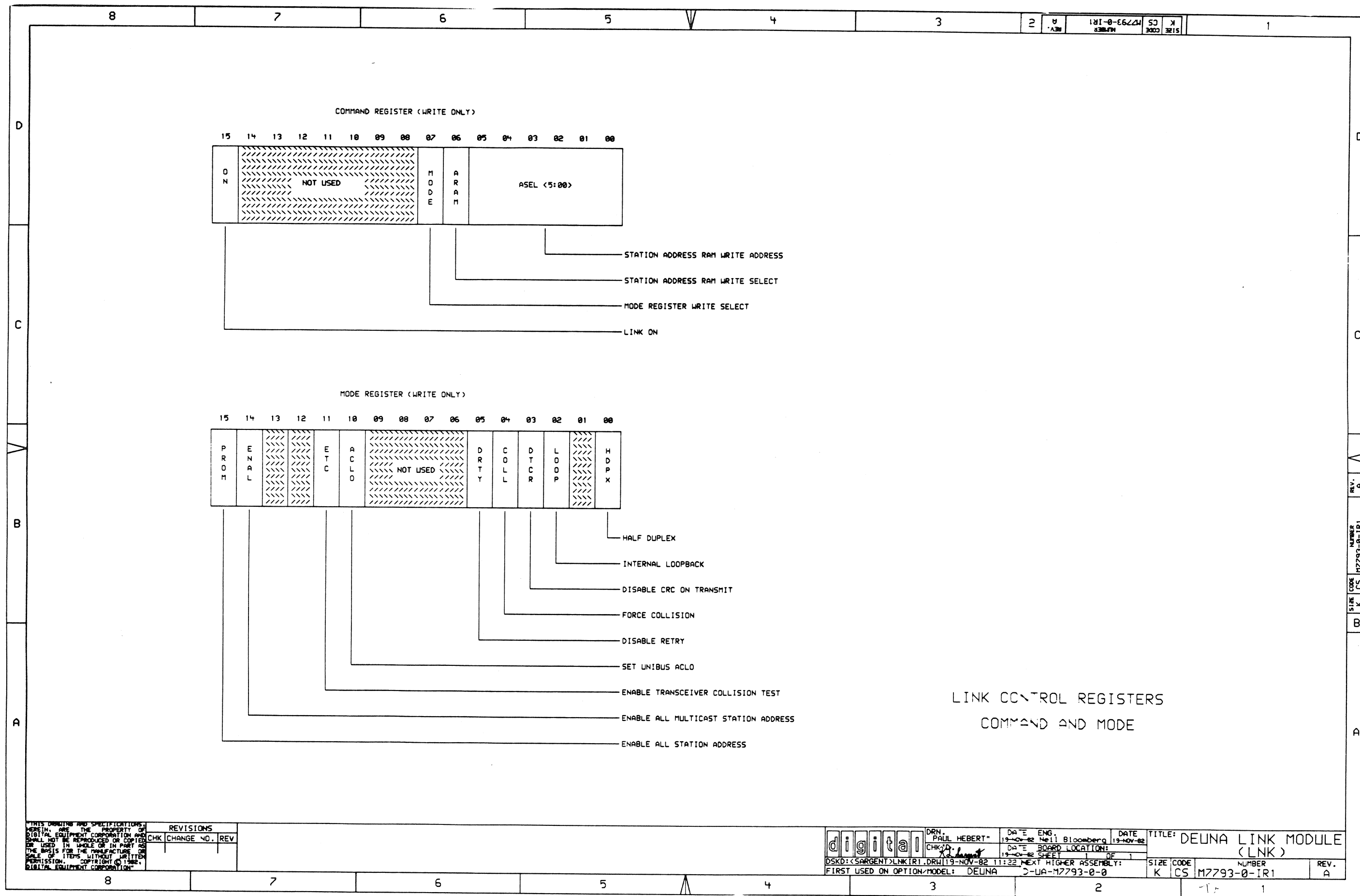
PARTS LIST

SHEET A3 OF A3

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
68	68		1301322-00	180.0 .25 W 5.0 % CF	27		R1,R32,R56,R78,R85,R86,R87,R89, R90,R91,R95,R100,R108,R111,R112, CONT R114,R115,R118,R124,R137,R138, CONT R146,R151,R152,R183,R171,R188, CONT R2,R67,R102,R116,R125,R126,R129, CONT R136,R157,R158,R159,R160,R161, CONT R162,R163,R168,R178,R172,R4 R3,R5,R6,R8,R14,R19,R20,R128 R7,R9,R11,R12,R132,R134,R135, R141,R142,R186,R187 R10,R43,R45,R61,R63,R185 R13,R16,R21,R22,R27,R28,R37,R40, CONT R41,R52 R15,R23,R24 R17,R48,R51 R18,R26,R30,R33,R36,R38,R47,R49, CONT R50,R54,R57,R58,R107,R123,R140, CONT R153,R154 R25,R31,R42 R29 R34,R59,R117,R131,R139,R155,R156 R35,R64,R65,R83,R84,R88,R96,R97, CONT R103,R109,R110,R143,R147,R165, CONT R180,R182 R44,R46,R60,R62,R66,R70,R77,R80, CONT R93,R94 R53,R55,R69,R71,R76,R79 R74 R106 R127,R170 R149 R184 W1 C1,C3,C8,C9,C10,C11,C12,C13 R144 R68 R75
69	69		1300247-00	120.0 .25 W 5.0 % CF	19		
70	70		1300229-00	100.0 .25 W 5.0 % CF	8		
71	71		1300365-00	1.0 K .25 W 5.0 % CF	11		
72	72		1302388-00	2.0 K .25 W 5.0 % CF	6		
73	73		1302957-00	121.0 .25 W 1.0 % RN55D-F10	10		
74	74		1302872-00	681.0 .25 W 1.0 % RN55D-F1	3		
75	75		1303036-00	56.20 .25 W 1.0 % RN55D-F10	3		
76	76		1301972-00	270.0 .25 W 5.0 % CF	17		
77	77		1301421-00	15.0 .25 W 5.0 % CF	3		
78	78		1300479-00	10.0 K .25 W 5.0 % CF	1		
79	79		1301775-00	820.0 .25 W 5.0 % CF	7		
80	80		1300316-00	470.0 .25 W 5.0 % CF	16		
81	81		1313150-00	430.0 .25 W 5.0 % CF	10		
82	82		1305121-00	38.30 .25 W 1.0 % RN55D-F10	6		
83	83	BLANK		*** THIS ITEM IS NOT USED ***	-		
84	84		1303179-00	8.20 K .25 W 5.0 % CF	1		
85	85		1300271-00	220.0 .25 W 5.0 % CF	1		
86	86		1300356-00	820.0 .50 W10.0 % CF	2		
87	87		1300309-00	390.0 .25 W 5.0 % CF	1		
88	88		1300432-00	3.0 K .25 W 5.0 % CF	1		
89	89		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	1		
90	90		1012084-01	8 MFD 25V +75-10% AL EL	8		
91	91		1216988-02	HANDLE,MODULE,HEX TWO EJECTORS	1		
92	92		9009000-00	EYELET,ROLLED 0.1210DX0.156	12		
93	93		1302391-00	20.0 K .25 W 5.0 % CF	1		
94	94		1304837-00	24.0 K .25 W 5.0 % CF	1		
95	95		1300488-00	12.0 K .25 W 5.0 % CF	1		
96	96		9105740-55	WIRE(WRAP) 30AWG KYNAR UL14 A/R			

D	I	G	I	T	A	L	TITLE	DE UNA LINK MODULE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	M7793-0-DBP	C





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A

REV.

NUMBER

CS

K

SIZE

12793-0-1R2

1

TRANSMIT STATUS WORD 0 (LINK MEMORY BUFFER)

15	14	13	12	11	10	09	08	07	06	05	04	03	02	01	00
0	E	R	R	S	H	M	O	R	E	D	E	F	0	0	0

TRANSMISSION DEFERRED

ONE COLLISION

MORE THAN ONE COLLISION

STATION ADDRESS MATCH ON TRANSMISSION

ERROR SUMMARY

RECEIVE STATUS WORD 0 (LINK MEMORY BUFFER)

15	14	13	12	11	10	09	08	07	06	05	04	03	02	01	00
0	E	R	R	S	H	M	O	R	E	D	E	F	0	0	0

CRC ERROR

FRAMING ERROR

ERROR SUMMARY

TRANSMIT STATUS WORD 1 (LINK MEMORY BUFFER)

15	14	13	12	11	10	09	08	07	06	05	04	03	02	01	00
0	0	0	L	C	O	L	L	C	A	R	R	Y	T	D	R

CABLE FAULT DISTANCE COUNT

TRANSMISSION ABORTED-16 ATTEMPTS

LOSS OF CARRIER

TRANSMISSION ABORTED-LATE COLLISION

RECEIVE STATUS WORD 1 (LINK MEMORY BUFFER)

15	14	13	12	11	10	09	08	07	06	05	04	03	02	01	00
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MLEN <11:00>

MESSAGE LENGTH

LINK STATUS REGISTER FORMAT
(WORDS 0 AND 1 OF LINK MEMORY BUFFER)

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REVISIONS		
CHK	CHANGE NO.	REV

digital

DRN:
PAUL HEBERTDATE
19-NOV-82ENG
Neil BloombergDATE
19-NOV-82TITLE:
DEUNA LINK MODULE
(LNK)

DSKD: <SARGENT>LNK1R2.DRW 19-NOV-82 11:23 NEXT HIGHER ASSEMBLY:

FIRST USED ON OPTION/MODEL: DEUNA D-UA-M7793-0-0

SIZE CODE
K CSNUMBER
M7793-0-1R2REV.
A

8

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